A. Permit Certificate

DRAFT
INDUSTRIAL
WASTEWATER REUSE PERMIT
LA-000210-01

Raft River Energy I LLC, LOCATED AT **2960 S 2100 E, Malta, ID 83342** IS HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A WASTEWATER REUSE SYSTEM IN ACCORDANCE WITH THE WASTEWATER REUSE RULES (IDAPA 58.01.17) AND WASTEWATER RULES (IDAPA 58.01.16), THE GROUND WATER QUALITY RULE (IDAPA 58.01.11), AND ACCOMPANYING PERMIT, APPENDICES, AND REFERENCE DOCUMENTS. THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON **[60 months from final issuance date]**.

Doug Howard
Twin Falls Regional Office Administrator
Idaho Department of Environmental Quality

DRAFT
Date

DEPARTMENT OF ENVIRONMENTAL QUALITY
1363 Fillmore Street
Twin Falls, Idaho 83301
(208) 736-2190
(208) 736-2194 (fax)

POSTING ON SITE RECOMMENDED

B. Permit Contents, Appendices, and Reference Documents

Appendices

1. Environmental Monitoring Serial Numbers
2. Site Map(s)

References

1. Plan of Operation (Operation and Maintenance Manual)
2. Runoff Management Plan

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater Reuse Permit LA-000210-01 and are enforceable as such. This permit does not relieve Raft River Energy I LLC, hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Abbreviations, Definitions

Ac-in	Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons.
BMP or BMPs	Best Management Practices
COD	Chemical Oxygen Demand
DEQ or the Department	Idaho Department of Environmental Quality
Director	Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator
ET	Evapotranspiration – Loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration)
GS	Growing Season – Typically April 01 through October 31 (214 days)
GW	Ground Water
GWQR	IDAPA 58.01.11 "Ground Water Quality Rule"
Guidance	Guidance for the Reclamation and Reuse of Municipal and Industrial Wastewater, DEQ
HLR_{gs}	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to land application hydraulic management units during the growing season. The HLR_{gs} limit is specified in Section F. Permit Limits and Conditions.
HLR_{ngs}	Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLR_{ngs} limit is specified in Section F. Permit Limits and Conditions.
HMU	Hydraulic Management Unit (Serial Number designation is MU)
IWR	Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop, and calculated monthly during the growing season (GS). Calculation methodology for the IWR can be found at the following website: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. The equation used to calculate the IWR at this website is: $IWR = (CU - P_e) / E_i$ CU is the monthly consumptive use for a given crop in a given climatic area. CU is synonymous with crop evapotranspiration P_e is the effective precipitation. CU minus Pe is synonymous with the net irrigation requirement (IR) E_i is the irrigation system efficiency. To obtain the gross irrigation water requirement (IWR), divide the IR by the irrigation system efficiency.
IDAPA	Idaho Administrative Procedures Act.
LG	Lagoon
lb/ac-day	Pounds (of constituent) per acre per day
MG	Million Gallons (1 MG = 36.827 acre-inches)
MGA	Million Gallons Annually (per WLAP Reporting Year)
NGS	Non-Growing Season – Typically November 01 through March 31 (151 days)
NVDS	Non-Volatile Dissolved Solids (= Total Dissolved Solids less Volatile Dissolved Solids)
O&M manual	Operation and Maintenance Manual, also referred to as the Plan of Operation
Reuse	The use of reclaimed wastewater for beneficial uses including, but not limited to, land treatment, irrigation, aquifer recharge, use in surface water features, toilet flushing in commercial buildings, dust control, and other uses.
Reuse Reporting Year	The reporting year begins with the non-growing season and extends through the growing season of the following year, typically November 01 – October 31. For example, the 2000 Reporting Year was November 01, 1999 through October 31, 2000.
SAR	Sodium Absorption Ratio

C. Abbreviations, Definitions

SI	Supplemental Irrigation water applied to the land application treatment site.
Soil AWC	Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer)
SMU	Soil Monitoring Unit (Serial Number designation is SU)
SW	Surface Water
TDS	Total Dissolved Solids or Total Filterable Residue
TDIS	Total Dissolved Inorganic Solids – The summation of chemical concentration results in mg/L for the following common ions: calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity expressed as calcium carbonate). Nitrate, Silica and fluoride shall be included if present in significant quantities (i.e. > 5 mg/L each).
TMDL	Total Maximum Daily Load – The sum of the individual waste-load allocations (WLAs) for point sources, Load Allocations (LAs) for non-point sources, and natural background. Such load shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. IDAPA 58.01.02 *Water Quality Standards and Wastewater Treatment Requirements*
Typical Crop Uptake	Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used.
USGS	United States Geological Survey
WW	Wastewater applied to the land application treatment site

D. Facility Information

Legal Name of Permittee	Raft River Energy I LLC
Type of Wastewater	Non-contact cooling water
Method of Treatment	Slow rate irrigation and ground water recharge
Type of Facility	Geothermal energy production
Facility Location	Geothermal power project located approximately 15 miles south of Malta, Idaho
Legal Location of Land Application Sites	Township 15 South, Range 26 East, Sections 26 and 27
County	Cassia
USGS Quad	Chokecherry Canyon
Soils on Site	Freedom, Genola, Delco, and Idahome. Silt loams to 60 inches, underlain by poorly graded, alluvial gravel, sand, and clay lenses.
Depth to Ground Water	20 to 85 feet below ground surface
Beneficial Uses of Ground Water	General resource
Nearest Surface Water	The Raft River runs through the land application sites.
Beneficial Uses of Surface Water	Cold water communities, salmonid spawning, primary contact recreation
Responsible Official	Douglas Glaspey, Chief Operating Officer
Mailing Address	1509 Tyrell Lane, Ste B Boise, ID 83706
Phone / Fax	(208) 424-1027 / (208) 424-1030

E. Compliance Schedule for Required Activities

The Activities in the following table shall be completed on or before the Completion Date unless modified by DEQ in writing.

Compliance Activity Number Completion Date	Compliance Activity Description
CA-210-01 **Plan of Operation** **Prior to applying wastewater at site**	A Plan of Operation (Operation and Maintenance Manual or O&M Manual) for the land application facilities, incorporating the requirements of this permit, shall be submitted to DEQ for review and approval. The O&M manual shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and shall include daily sampling and monitoring requirements to insure proper operation of the non-contact cooling water treatment facility. The Plan of Operation shall contain, at a minimum, all of the information required by the latest revision of the Plan of Operation Checklist in the Reuse Program Guidance, and shall specifically include: 1. A description of approved sample collection methods, appropriate analytical methods, and companion QA/QC protocols; 2. A dated log documenting the specific additives (e.g., biocides, de-scaling agents, etc.), and estimated amount of each additive, that is introduced into the non-contact cooling water; and 3. In the event that the permittee elects to conduct grazing activities onsite, the O&M Manual shall contain a grazing management plan. Upon approval, the manual shall be incorporated by reference into this permit and shall be enforceable as a part of this permit.
CA-210-02 **Ground Water Monitoring Network Plan** **Prior to applying wastewater at site**	Submit plans and specifications for a ground water monitoring network for DEQ review and approval. The network shall include both upgradient well(s) and downgradient well(s), as needed to ensure proper site management.
CA-210-03 **Runoff Management Plan** **Within one year of permit issuance**	The permittee shall prepare and submit to DEQ for review and approval, a Runoff Management Plan with control structures and other BMPs (e.g., berms, collections basins, etc.) designed to prevent runoff from any site or fields used for land application to property not owned by the permittee except in the event of a 25-year, 24-hour storm event or greater, using the Western Regional Climate Center (WRCC) Precipitation Frequency Map, Figure 28, 'Isopulvials of 25-year 24-hour Precipitation.' For this site, the 25-year, 24-hour event is 2.0 inches. Upon approval of the plan by DEQ, the permittee shall implement the Runoff Management Plan, and shall construct, operate, and maintain the control structures and other BMPs in accordance with the plan to control runoff.

E. Compliance Schedule for Required Activities

Compliance Activity Number Completion Date	Compliance Activity Description
CA-210-04 **Surface Water Interconnectivity Assessment** **Six months after four complete years of water table elevation data has been collected for the site**	After four complete years of ground water table depth measurements and ground water table elevation estimates (i.e., required monitoring parameters in Section G of this permit) have been acquired for this site, the permittee shall use this data to assess the potential for interconnectivity between the three hydraulic management units (HMUs) and the Raft River Subbasin. Data collected in conjunction with Section G of this permit, or other data approved for use by DEQ, may also be used in this assessment. A copy of this assessment shall be submitted to DEQ for review. In the event that the assessment determines that a groundwater discharge of non-contact cooling water has been, or is likely to be, transported from any of the three HMUs into the Raft River Subbasin, the permittee shall address this issue, including surface water sampling and analyses as appropriate, within the permit renewal application materials required by Compliance Activity No. CA-210-05 of this permit.
CA-210-05 **Permit Renewal Application** **Six months prior to permit expiration date**	Submit an application package to DEQ for permit renewal.

F. Permit Limits and Conditions

Category	Permit Limits and Conditions
Type of Wastewater	Industrial / non-contact cooling water
Application Site Area	140 acres
Application Season	Year-round
Reporting Year for Annual Loading Rates	November 1 – October 31
Non-Contact Cooling Water Restriction	The permittee shall only utilize ground water from wells identified within the permit application for use as non-contact cooling water. In the event that any other source of water is to be used as non-contact cooling water or if the water rights for the wells identified within the permit application are increased, the permittee shall submit a complete permit modification request for use of the alternate source(s) and/or additional water rights, and obtain DEQ approval prior to use.
Ponding Restriction	The permittee shall, to the maximum extent reasonably possible, operate the land application facilities to prevent ponding. This includes, but is not limited to, the obligation to install, operate, and maintain equipment, structures, and other BMPs to prevent and correct ponding. At all times, the permittee shall prevent non-contact cooling water from ponding in the fields to the point where the ponded water putrefies or supports vectors or insects.
Runoff/Wellhead Protection Requirements	The permittee shall manage the land application sites in accordance with an approved Runoff Management Plan, required by Compliance Activity No. CA-210-03. To prevent runoff from the site, Best Management Practices (BMPs) shall be used around all areas where runoff may potentially occur. Berms and other BMPs shall be used to protect the wellhead of on-site wells. New BMPs shall be reviewed and approved by DEQ prior to implementation.
Livestock Grazing Plan Requirement	A grazing management plan shall be submitted to DEQ for review and approval prior to any grazing activities. Also refer to Compliance Activity No. CA-210-01 in Section E of this permit.
Ground Water Quality Restriction	Wastewater or non-contact cooling water land application activities conducted by the permittee shall not cause a violation of the *Ground Water Quality Rule* (GWQR), IDAPA 58.01.11.
Construction Plan Submittal Requirement	Prior to construction or modification of wastewater or non-contact cooling water facilities associated with the land application system, detailed plans and specifications shall be reviewed and approved by DEQ. Within 30 days of completion of construction, the permittee shall submit as-built plans for review and approval.
Buffer Zones Requirement	Buffer zones of 500 feet or more shall be maintained between land application areas and domestic water supplies (or 1000 feet for public water supplies) unless a DEQ-approved well location acceptability analysis indicates an alternative buffer zone is acceptable (see Idaho Reuse Guidance for discussion on approved well location acceptability analysis).

F. Permit Limits and Conditions

Category	Permit Limits and Conditions
Supplemental Irrigation Water Protection Requirement	For any non-contact cooling water and irrigation water interconnections, a DEQ-approved backflow prevention device is required.

G. Monitoring Requirements

The permittee is allowed to apply wastewater and treat it on a land application site as prescribed in the table below and in accordance with all other applicable permit conditions and schedules.

1. Appropriate analytical methods, as given in the *Idaho Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater*, or as approved by DEQ, shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the Operation and Maintenance Manual, as required by Compliance Activity No. CA-210-01 in Section E of this permit.

2. The permittee shall monitor and measure parameters as stated in the Facility Monitoring Table in this section.

3. Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.

4. Unless otherwise agreed to in writing by the DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Table on the following pages. Monitoring is required at the frequency show in the table below if wastewater or non-contact cooling water is applied anytime during the time period shown.

5. Ten (10) soil sample locations shall be selected for each management unit with greater than fifteen acres and Five (5) soil sample locations shall be selected for each management unit with fifteen acres or less. Three (3) soil samples shall be collected at each sample location, one at 0-12 inches, one at 12-24 inches, and one at 24-36 inches. The soil samples collected at each depth shall be composited to yield three (3) samples for analysis from each management unit.

6. Ground water monitoring wells shall be purged a minimum of three casing volumes, or until field measurements for pH, specific conductance and temperature meet the following conditions: two successive temperature values measured at least five minutes apart are within one degree Celsius of each other, pH values for two successive measurements measured at least five minutes apart are within 0.2 units of each other, and two successive specific conductance values measured at least five minutes apart are within 10% of each other. This procedure will determine when the wells are suitable for sampling for constituents required by the permit. Other procedures, such as low flow sampling, may be considered by DEQ for approval. The static water level shall be measured prior to pumping or sampling for ground water.

7. Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.

8. Monitoring locations are defined in Appendix 1, “Environmental Monitoring Serial Numbers”.

G. Monitoring Requirements

Facility Monitoring Table

Frequency	Monitoring Point	Description/Type of Monitoring	Parameters
Monthly	Effluent to land application	Flow of non-contact cooling water to land application system	Volume in million gallons and acre-inches to each HMU, record on monthly and annual basis
Monthly	Effluent to land application	Non-contact cooling water quality into land application system – 24-hr. composite	Total phosphorous, arsenic, lead, chloride, fluoride, total iron, total manganese, specific conductivity, and pH
Quarterly	Effluent to land application	Non-contact cooling water quality into land application system – grab sample	Total Dissolved Inorganic Solids (TDIS). Submit analysis of individual ions in addition to TDIS.
Quarterly for first year of permit, with written DEQ concurrence (Feb, May, Aug, Nov)	Effluent to land application	Non-contact cooling water quality into land application system – 24-hr. composite	Total Dissolved Solids (TDS), Volatile Dissolved Solids (VDS), total Kjeldahl nitrogen, and nitrite + nitrate – nitrogen
Monthly	Irrigation water to land application	Flow of supplemental irrigation water into land application system	Volume in million gallons and acre-inches to each HMU, record on monthly and annual basis
Quarterly for first year of permit (Feb, May, Aug, Nov) Twice per year after the first year of permit (May and Nov)	Ground water monitoring wells and production wells listed in Appendix 1	See Note 6	Nitrate-nitrogen, total phosphorous, TDS, total iron, total manganese, dissolved iron[1], dissolved manganese[1], arsenic, lead, chloride, fluoride, pH, specific conductivity, temperature, dissolved oxygen, and water table depth
Annually (April)	Each soil monitoring unit	See note 5	Plant available phosphorous, sodium absorption ratio, chloride, sodium, dissolved iron, dissolved manganese, electrical conductivity, and pH

Annually	Each well listed in Appendix 1	Calculate water table elevation(s)	Based on water table depth measurements taken from wells identified in conjunction with Compliance Activity CA-210-02 and Appendix 1
	Each HMU	Calculate annual loading rates of phosphorous, arsenic, lead, chloride, fluoride, total iron, and total manganese from non-contact cooling water	Pounds/acre-year
	Each HMU	Calculate annual, non-contact cooling water nitrogen loading rate	Pounds/acre-year
	Each HMU	Calculate annual, non-contact cooling water TDIS loading rate	Pounds/acre-year
	Each HMU	Report nitrogen and phosphorous fertilizer application rates	Type and pounds/acre-year
Annually	All flow measurement locations	Flow measurement calibration of all flows to land application.	Document the flow measurement calibration of all flow meters and pumps used directly or indirectly measure non-contact cooling water and/or supplemental irrigation water flows applied to each HMU.
Annually	All supplemental irrigation pumps directly connected to the non-contact cooling water distribution system	Backflow testing	Document the testing of all backflow prevention devices for all supplemental irrigation pumps directly connected to the non-contact cooling water distribution system(s). Report the testing date(s) and results of the test (pass or fail). If any test failed, report the date of repair or replacement of backflow prevention device, and if the repaired/replaced device is operating correctly.

[1]Analytical results are required for dissolved iron and/or manganese only if the results for total iron and/or manganese exceed the standards in IDAPA 58.01.11.200.01.b.

H. Standard Reporting Requirements

1. The Permittee shall submit an Annual Wastewater-Land Application Site Performance Report ("Annual Report") prepared by a competent environmental professional no later than January 31 of each year, which shall cover the previous reporting year. The Annual Report shall include an interpretive discussion of monitoring data (ground water, soils, hydraulic loading, wastewater/ non-contact cooling water, etc.) with particular respect to environmental impacts by the facility.

2. The annual report shall contain the results of the required monitoring as described in *Section G. Monitoring Requirements*. If the permittee monitors any parameter more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the annual report.

3. The annual report shall be submitted to the Engineering Manager in the applicable Regional DEQ Office.

Boise Regional Office
1445 N. Orchard
Boise, ID 83706-2239
208-373-550

Coeur d'Alene Regional Office
2110 Ironwood Parkway
Coeur d'Alene, ID 83814
208-769-1422

Idaho Falls Regional Office
900 N. Skyline, Suite B
Idaho Falls, ID 83402
208-528-2650

Lewiston Regional Office
1118 "F" Street
Lewiston, ID 83501
208-799-4370

Pocatello Regional Office
444 Hospital Way, #300
Pocatello, ID 83201
208-236-6160

Twin Falls Regional Office
1363 Fillmore St.
Twin Falls, ID 83301
208-736-2190

A copy of the annual report shall also be mailed to:

Richard Huddleston, P.E.
Wastewater Program Manager
1410 N. Hilton
Boise, ID 83706
208-373-0561

4. Notice of completion of any work described in *Section E. Compliance Schedule for Required Activities* shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.

5. All laboratory reports containing the sample results for monitoring required by *Section G. Monitoring Requirements* of this permit shall be submitted with the Annual Report.

I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater Reuse Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.

2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site. Wastewater discharges to surface water that require a permit under the Clean Water Act must be authorized by the U.S. Environmental Protection Agency.

3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.16.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:

    a. Apply wastewater as evenly as practicable to the treatment area;
    b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
    c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.

4. The permittee shall:

    a. Manage the wastewater land application treatment site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
    b. Not hydraulically overload any particular areas of the wastewater land application treatment site.

5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.

6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Wastewater Reuse Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.

7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:

    a. Enter the permitted facility,
    b. Inspect any records that must be kept under the conditions of the permit.
    c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
    d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.

8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:

    a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
    b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
    c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

DEQ Regional Office: see Permit Certificate Page
Emergency 24 Hour Number: 1-800-632-8000

d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:

   i. A description of the non-compliance and its cause;
   ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
   iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.

e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.

9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.

10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

J. Standard Permit Conditions: Modifications, Violation, and Revocation

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.

2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.

3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in Section I. *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.

4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.

5. Any person violating any provision of the Wastewater Land Application Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars ($10,000) or one thousand dollars ($1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.

6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Reuse Permit Regulations.

7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Board of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.

8. If, pursuant to Idaho Code 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23.

9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.

10. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted land application facility from service, including any treatment, storage, or other facilities or equipment associated with the land application site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

Appendix 1
Environmental Monitoring Serial Numbers

HYDRAULIC MANAGEMENT UNITS

Serial Number	Description	Acres
MU-021001	North Irrigation Pivot	42
MU-021002	South Irrigation Pivot	54
MU-021003	Infiltration Area	40
	TOTAL:	136

WASTEWATER SAMPLING POINTS

Serial Number	Description
WW-021001	Discharge point of non-contact cooling water

SOIL MONITORING UNITS

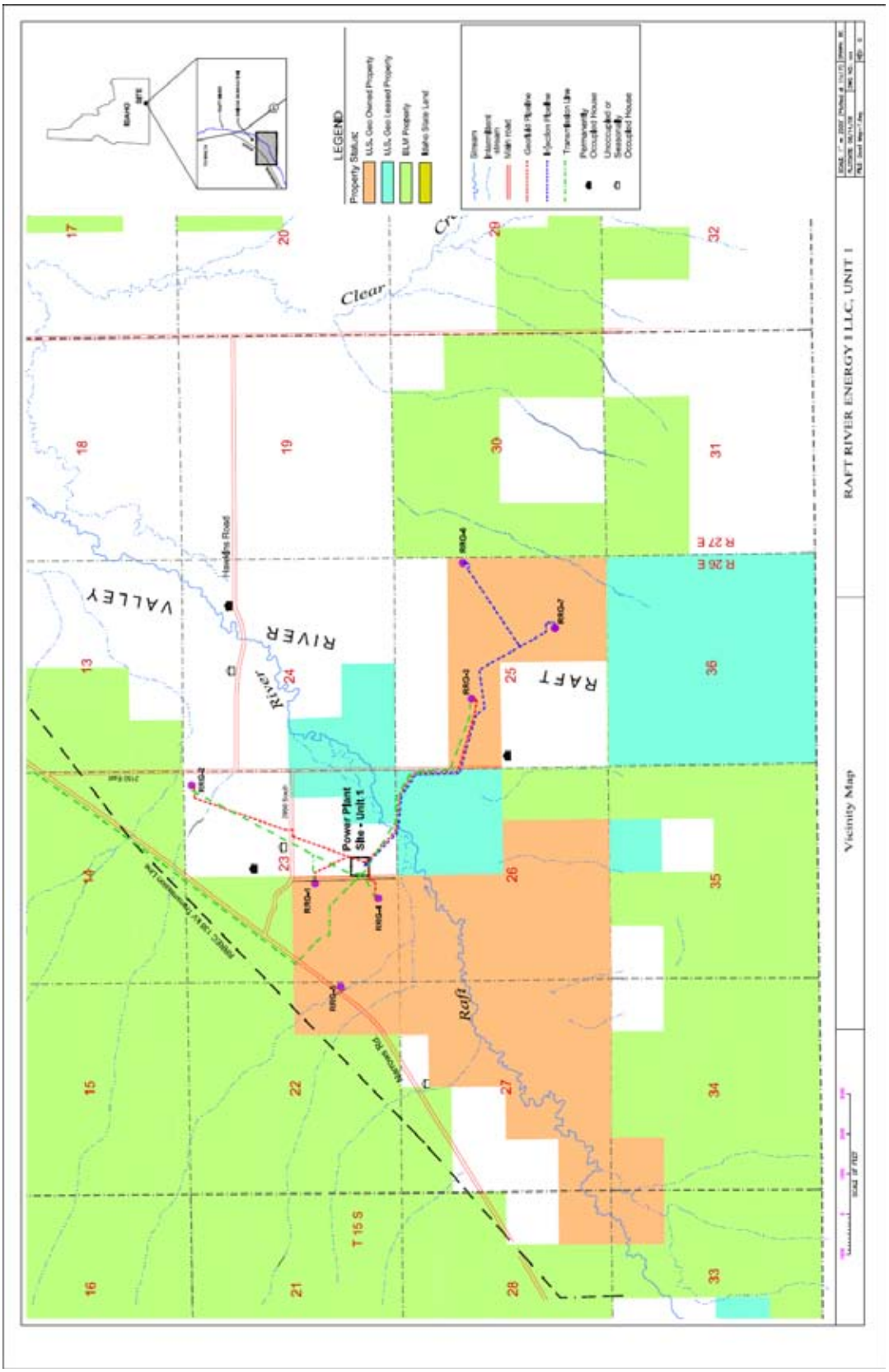
Serial Number	Description	Associated HMU
SU-021001	North Irrigation Pivot	MU-021001
SU-021002	South Irrigation Pivot	MU-021002
SU-021003	Infiltration Area	MU-021003

GROUND WATER MONITORING

Serial Number*	Description*	Location*

*Note: The number and location of ground water monitoring wells to be determined by Compliance Activity No. CA-210-02.

Appendix 2
Site Maps



Appendix 2
Site Maps